ABSTRUCT

A process for producing a photocatalyst material, the photocatalyst material exhibiting highly active photocatalytic action and capable of reducing special odor generated at the time of ultraviolet irradiation. This process comprises the raw photocatalyst material preparation step (P1) of obtaining a photocatalyst material (raw photocatalyst material) being in the state of not bearing any base metal on its surface and the base metal superimposition step (P3) of causing the raw photocatalyst material obtained in the step P1 to bear base metal fine particles on its surface to thereby obtain the photocatalyst material bearing a base metal. The base metal superimposition step P3 comprises the solution treatment step (P31) of dipping the raw photocatalyst material in a base metal compound solution according to photoprecipitation, the ultraviolet irradiation step (P32) of irradiating the base metal bearing photocatalyst material obtained in the step P31 with ultraviolet light and the drying step (P33) of drying the photocatalyst material resulting from the step P32.